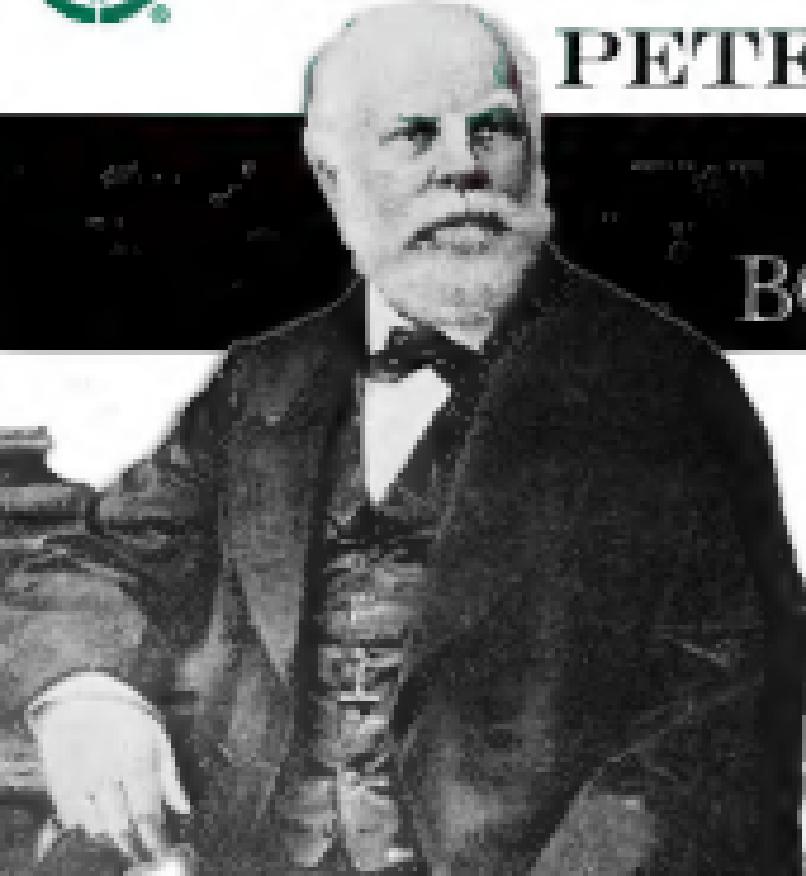




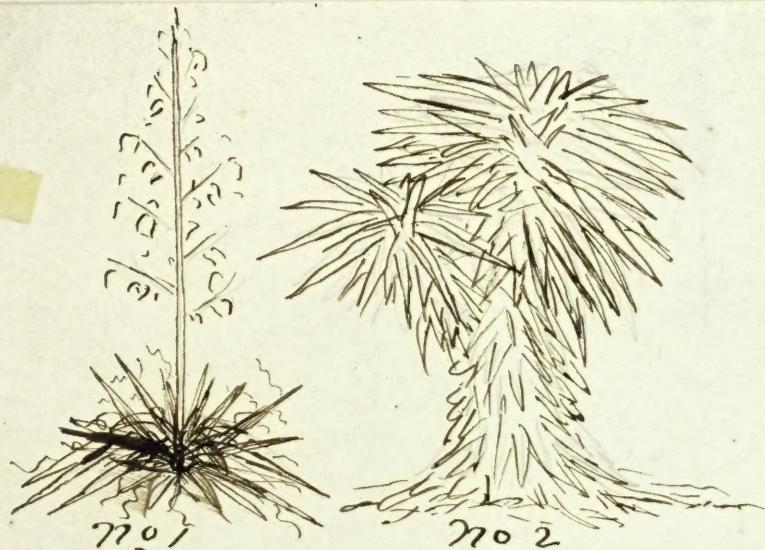
MISSOURI BOTANICAL GARDEN

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Y. Filament? *Y. gloriosa?*

6 feet high
this must be var. *caerulea* 4 ft. high

The above (making due allowances
want of skin as a draughtsman
only 3 years) I know that
this neighborhood.



J. H. Mellichamp
Bluffton, St. Luke's Parish



for my
) are the
grow in

210 3
Y. Dracorhiza?
" *caerulea?*
10 ft. high

S. Caroline
Nov 1870



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Yucca

March 1860

I Xerocarpae

1. *Y. filifera* Martos & Lin
2. *Y. angustifolia* Pursh Fl. I. p. 227
3. *Y. rupicola* Schulte Linnaea 23 p. 142 Held 709
4. *Y. tenuifolia* Engelm. var. (intertexta olivae) = *Y. constricta* Benth?

II Sarcocarpae

5. *Y. longifolia* Engelm. and see below same name Buckley
6. *Y. baccata* Torrey Douce Corr. Rep. II. p. 221 (var. *filifolia* Eng.)
7. *Y. pubescens* Haworth Phil Mag. Month Jan 4 p. 272 (olive) (sonor) (*Y. brevifolia* Schott Nas. J. Lower Douce Corr. Rep. II. 221)
8. *Y. paniifolia* Torrey Douce Corr. Rep. II. p. 221. ¹⁸⁶⁸ Nueces to Pecos
- Y. alveolata* L. ⁵ Aloe
- Y. Dracunculus* L.
- Y. scandens* Schlecht. f. sp. Chap.

See Wiley's Report p. 101. (p. 17) 1868

Yucca longifolia Buckley Proc Acad Phil 1862 p. 8

Yucca constricta Buckley = *Y. angustifolia* f. ² Dr. Tom.

Yucca Whipplei Torrey Ad. B. 222 Xerocarpae #

Y. Dracunculus ³ alvarensis Tom. Bot. Whipple 147 Sarcocarpae



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Victoria I. N. R. R. Mo
Feb. 2nd /73

Dr. Englemon

Dear Sir

During the last six months Mr. Spence has had several boils on his legs. For the last three weeks small boils and pimpls have broken out. They dry up and others come. At present his thighs are nearly covered with them. If necessity pork has entered largely into our diet. His bowels are regular. You will greatly oblige us by doing what you can.

Yours Respectfully
Thos. H. T. Spence



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cm

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8323
Refugium Boliviense
W. W. Saunders

V. 2. July 1872.

Yucca figures & descriptions.

tab Mucronata group.

313. *Y. Guatemalensis* Host.

Gloriosa group

320 *Y. gloriosa* L

319 *Y. gloriosa* minor

321 *Y. recurvifolia* Schlecht

316 *Y. acuminata* Sweet

317 *Y. Ellacombei* Host

318 *Y. eusipholia* Host.

314 *Y. exigua* Baker perhaps to next?
group

Filamentosa group

324 *Y. filamentosa* L

325 *Y.* ————— grandiflora

323 *Y. floridana* Haw

315 *Y. glauca* Sims

322 *Y. pubescens* Haw

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April 1870.

Draconis Rome, Youngplad Naples (Civili)

"conspicua" large, Naples - belongs to Draconis or aloefolia?

aloefolia Naples - sounds sub nom "glossa"

"plirata" Antibes ^L "glaucosca" ^{"pendula"} Montpellier, ^{Reply} revoluta

glossa Lin? "flexuosa?" "glauc?" "grossa" fl. "glossa" ^{Haupt Crt}
"aloefolia" Naples "pendula" Naples ^{rep} integri

glossa fide Cels "filamentosa" Cels & Kew filament
"glossa" Lindl: I'Acclimat



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of the heart and that this 8324
affection and its immediate conse-
quences have of late increased
to such an extent that I deem
it unsafe and dangerous for him
to undergo the mental and physical
fatigue and excitement unavoidable
in his trial

St Louis April 12th 1870

George Engelmann M.D.

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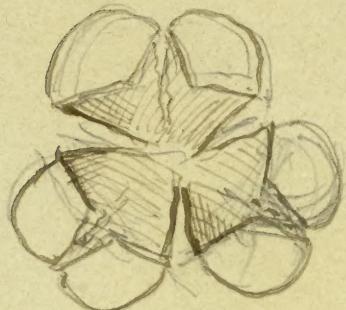


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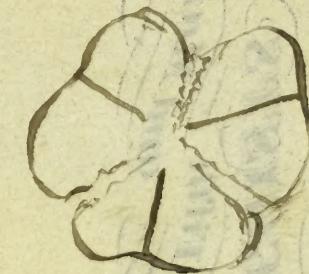
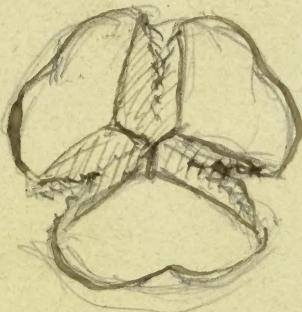
Jan 20 1871

Division of Yucca

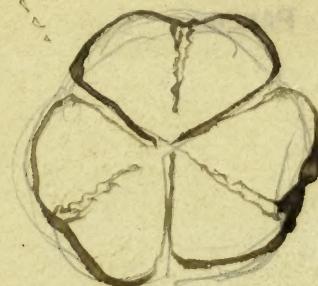
Agave
chaenocarpa



Hesper Yucca



Species of Yucca
fruit



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8325

Leitch & Corlies

DRUGGISTS

West Fifth and Market
South Corner Streets

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Postils

Yucca filiformis
ex Refugium Cotubanum July 1872
700 1873
vol V.



tab 324
filamentosa
stipe round



tab. 325
filamentosa
round flor
pawle
and big
tropic



tab 323
floridæ



tab. 315
glauca
Spec
Com



tab 322
pachyphylla
my jad
Zed



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8326

Dr. Deutsches Apotheker.

HENRY DIERS.

APOTHECARY,

South East Corner Fifth and Biddle Streets,
ST. LOUIS, MO.

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Pistils of *Yucca* sarracinae ex Refugio Botan. vol V Libr 1873
July 1872



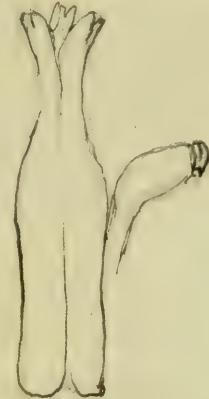
tab 320
gloriosa



tab 319
gloriosa minor



tab 321
recurvifolia



tab 316
acuminata



tab 317
Ellacombii



tab 318
ensifolia



tab 314
exigua



tab 313
Guate malensis



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Deutsche Apotheke.

HENRY DIERS,

APOTHECARY,

South East Corner Fifth and Tiddle Streets,
ST. LOUIS. MO.

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On
Anthers of *Yucca* (oval condite or ^{more} seg'date), usually but not in every instance exserted at tip (exception especially in the filamentous group). Length of unopened (i.e. but) or broken (which always is a little broader and shorter) 2½ mm (rarely) or mostly 3-4 mm - only one collected off of *Yucca whipplei* 6 mm; others native *angustifolia* 2½-6 mm.

The open *Yucca* didymous transverse 1½-2½ mm long, a little wider.
Pollen 0.058-0.072 say 60-70 μ in dia.
say 0.055-0.070 mm.

Pollen grain variable in same species, usually $\frac{25-30}{415}$ (0.060-0.072) mm or in the $\frac{22-32}{415}$ (0.054-0.077) - diameter, only one in the *Californica* 50
Hesperidum ab 120 mm



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Jan 14.

sterile flowers of the capsular Yuccas
drop off ^{within} in a few days
in the brocade ones (at least *aloefolia*) they
cling with much greater tenacity and often
remain dried on the peduncle

5 12
10 4 11



0 1 2 3 4 5 6 7 8 9 10
cm

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Br. 65.7	Bo 71.3	4	Balt 785	11	Aegte	80	2
Bu 69 4	Bu 71	3	Cair 786	12	charlet	81 9	8
Chy 63 7	Capo 71 7	7	Cin 779	9	Galo	84 5	15
	Chy 71 4	6	Ind 76	4	Fadde	83 7	15
Den 68 8	" Clew 73 3	10	Keok 77	7	Jackson	81 9	9
Dul 69 8	Corin 72 1	9	Knox 75 7	3	Jackson	83 7	14
Est 65 6	Idad. 74 7	13	Laev 78	10	Keydr	83 7	3
Tod B 63 5	Getr 70 9	2	Lew 77 2	8	Lake City	80	3
		8	louis 77 2	5	Memphi	80	1
Ind 67 9	Tod S 72	8	lyah 76 4	5			
		10	New L. 71 3	5			
Mark 61 5	ny 74 8	14	Nash 79 2	14	Mobile	80 8	4
Mid 69 3	Pitti 73 3	11	Nor 78 9	13	NO	81 7	7
Ose 69 1	Told 74 6	12	Omah 75 1	1	Porte	81 0	6
Port 69 7	Mart. 70 7	1	Phil 75 7	2	liver	82 3	10
Port 69 7			StL 76 9	6	Showy	83 - 11	
Port 66 7		8					

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Thickness Ovaries & seed		Seed	
of <u>Sarcococca</u> ^{fresh} _{soaked}			
<i>oblongata</i>			
	0.4	Los Angeles	
	0.4	Dr. Cooper	
	0.4	Dr. Griggs	11-12 mm
	0.43	Dr. Bigelow	7-8
	0.4	Dr. Palmer	
	0.44	Schott	
<i>Shottii</i>			
<i>gloriosa</i>	0.32	Shaw's	
	0.3	Mullerian. 0.25-0.33	0.25 Mullerian.
	0.23-2	Shaw's	0.33 Mullerian.
<i>Irregularia</i>	0.4 L. H. Bailey		0.26 Gmelin
<i>Canaliculata</i>	0.4-5	Shaw's	0.4-0.5 L. H. Bailey
<i>aloefolia</i>			6-7 2.5 mm
<i>Guineensis</i>			
<i>Brasilica</i>			
<i>filamentosa</i>			
var			
	0.25	H. G. Benthall	
	0.22	Bluffton	6-7 0.5
	0.33	Ravenel	
	0.28	Hornb.	
	0.30	Cambridge	
	0.25-28	Gardner	
	0.30	" <i>prostrata</i> "	
	0.30	Bluffton	9 0.7-0.8
			8 Shaw's
			8 Gmelin
	0.21	" " "	2.8 0.8
	0.23-27	Joachim's	1.0
			0.7-0.9
var? (Dalton - Baker)			
	0.27-30		
<i>angustifolia</i>	0.25-0.30	Shaw's	
<i>radicans</i>			
dehici. Lign.			
<i>repanda</i>			
<i>Whipplei</i>			
	0.2	Wright	10-13 1.0 unison
	0.2	Tulane	
	0.23	Palmer.	0.7 Palmer
	0.23	Lichen	9-10 1.0 Palmer
	0.2		
	0.3	Tony H. Elizario	1.0
	0.2	Santa Fe	
			7 ad. 0.8-1.0 Bigelow
			6 0.8-1.0 Gmelin
	0.4	Sundaias Gispo	7 0.8-1.0 Gmelin
			0.12



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cm

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St. Louis, February 5th, 1873.

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